TRANSHEIGHT
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Cleint : Executive Engineer, Quality Control Division,Yelahanka Zone, BBMP Bangalore
FIELD DENSITY OF BC
Contractor:Sri. Chidananda Murthy R.
PMC:Transheight Consultants Pvt. Ltd., Sahakarnagar, Bangalore
(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : :25.05.2023
Lab Bulk Density :2.32 g/cc

Core No	(a)	1	2	3	
Location	(b)	Durgaparamesh wari at entrance	Durgaparamesh wari house no#897/1 opp	Durgaparamesh warihouse no#898 opp	
Thickness (mm)	(d)	40	42	40	
Wt in Air (gm)	(e)	921	1005	930	
Wt in Water (gm)	(f)	529	651	532	
SSD Wt(gm)	(g)	928	1091	941	
Volume		399	440	409	
Field Bulk Density	h=e/(g-f)	2.31	2.28	2.27	
% of Compaction Achieved	I =(h/A)x100	99.49	98.45	98.01	

Remarks: The tested sample is found to be satisfactory as it meets the requirements of the MoRT&H Specification

Note:

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Cleint : Executive Engineer, Quality Control Division,,Yelahanka Zone, BBMP Bangalore
FIELD DENSITY OF BC Contractor:Sri. Chidananda Murthy R.
PMC:Transheight Consultants Pvt. Ltd., Sahakarnagar, Bangalore
(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : :25.05.2023
Lab Bulk Density :2.32 g/cc

Core No	(a)	4	5	6	
Location	(b)	6th block BEL layout opp to park no 4	6th block BEL layout opp to#138	6th block BEL layout opp to #135	
Thickness (mm)	(d)	41	43	40	
Wt in Air (gm)	(e)	902	977	1116	
Wt in Water (gm)	(f)	528	558	638	
SSD Wt(gm)	(g)	921	980	1125	
Volume		393	422	487	
Field Bulk Density	h=e/(g-f)	2.30	2.32	2.29	
% of Compaction Achieved	I =(h/A)x100	98.93	99.79	98.78	

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(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : :25.05.2023
Lab Bulk Density :2.32 g/cc

Core No	(a)	7	8	9	
Location	(b)	Defence layout opp to site #217	Defence layout opp to site #213	Defence layout opp to site #207	
Thickness (mm)	(d)	42	42	40	
Wt in Air (gm)	(e)	980	918	1024	
Wt in Water (gm)	(f)	560	530	597	
SSD Wt(gm)	(g)	986	931	1040	
Volume		426	401	443	
Field Bulk Density	h=e/(g-f)	2.30	2.29	2.31	
% of Compaction Achieved	I =(h/A)x100	99.16	98.68	99.63	

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PMC:Transheight Consultants Pvt. Ltd., Sahakarnagar, Bangalore
(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : **:25.05.2023**
Lab Bulk Density **:2.32 g/cc**

Core No	**(a)**	10	11	12	13
Location	**(b)**	20th cross schoole ntrance, opp to HMT layout	20th cross road entrance HMT layout	5th cross NTI entrance opp to #283	5th cross NTI entrance opp to #84/A
Thickness (mm)	**(d)**	40	44	40	42
Wt in Air (gm)	**(e)**	950	1087	987	1059
Wt in Water (gm)	**(f)**	560	628	569	651
SSD Wt(gm)	**(g)**	971	1105	998	1110
Volume		411	477	429	459
Field Bulk Density	**h=e/(g-f)**	2.31	2.28	2.30	2.31
% of Compaction Achieved	**I=(h/A)x100**	99.63	98.23	99.17	99.45

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Sahakarnagar, Bangalore
(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : **:26.05.2023**
Lab Bulk Density **:2.32 g/cc**

Core No	**(a)**	14	15	16	17
Location	**(b)**	5th cross NTI entrance opp to #134	8th main opp to Sai Baba temple	8th main Sai Baba temple road opp to # 751	8th main road Naryana school ,opp to BWSSB
Thickness (mm)	**(d)**	44	42	40	44
Wt in Air (gm)	**(e)**	932	1057	985	1108
Wt in Water (gm)	**(f)**	543	630	621	661
SSD Wt(gm)	**(g)**	950	1092	1050	1145
Volume		407	462	429	484
Field Bulk Density	**h=e/(g-f)**	2.29	2.29	2.30	2.29
% of Compaction Achieved	**I =(h/A)x100**	98.70	98.62	98.97	98.67

Remarks: The tested sample is found to be satisfactory as it meets the requirements of the MoRT&H Specification

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Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : :26.05.2023
Lab Bulk Density :2.32 g/cc

Core No	(a)	18	19	20	21
Location	(b)	8th main road naryana school opp to # 37	8th main road Naryana school # 135 (vidmahe enclave)	Ventketeshwara temple opposite	Ventketeshwara temple road oppo to #871/1
Thickness (mm)	(d)	45	40	42	43
Wt in Air (gm)	(e)	1106	942	1125	967
Wt in Water (gm)	(f)	641	536	650	561
SSD Wt(gm)	(g)	1119	947	1140	980
Volume		478	411	490	419
Field Bulk Density	h=e/(g-f)	2.31	2.29	2.30	2.31
% of Compaction Achieved	I ={h/A}x100	99.73	98.79	98.96	99.48

Remarks: The tested sample is found to be satisfactory as it meets the requirements of the MoRT&H Specification

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Sahakarnagar, Bangalore
(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : **:26.05.2023**
Lab Bulk Density **:2.32 g/cc**

Core No	(a)	22	23	24	25
Location	(b)	Ventketeshwara Temple road opp to #898	Thindlu Govt Hospital opp to chicken shop	Thindlu Govt Hospital opp road to nagamas house	Thindlu Govt Hospital opp road to # 36
Thickness (mm)	(d)	40	44	46	41
Wt in Air (gm)	(e)	958	977	1081	930
Wt in Water (gm)	(f)	623	558	625	539
SSD Wt(gm)	(g)	1041	981	1099	945
Volume		418	423	474	406
Field Bulk Density	h=e/(g-f)	2.29	2.31	2.28	2.29
% of Compaction Achieved	I =(h/A)x100	98.79	99.56	98.30	98.73

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(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : :26.05.2023
Lab Bulk Density :2.32 g/cc

Core No	**(a)**	26	27	28	29
Location	**(b)**	1st main Road Bk Layout oppo to #177	1st main Road Bk Layout oppo to #212	Ananda layout opp to #114	Ananda layout opp to #16
Thickness (mm)	**(d)**	45	42	43	42
Wt in Air (gm)	**(e)**	990	959	1004	976
Wt in Water (gm)	**(f)**	562	601	573	603
SSD Wt(gm)	**(g)**	995	1020	1006	1030
Volume		433	419	433	427
Field Bulk Density	**h=e/(g-f)**	2.29	2.29	2.32	2.29
% of Compaction Achieved	**i =(h/A)x100**	98.55	98.65	99.94	98.52

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(Core Cutting Method ASTM:D - 1599)
Name of Work:- Package No.4 (Consists of 3 Works)
Date of Testing : :26.05.2023
Lab Bulk Density :2.32 g/cc

Core No	**(a)**	30	31	32	33
Location	**(b)**	Ananda layout opp to Srivari Building	Parvathama Layout oppo to #4	Parvathama Layout oppo to #87	Parvathama layout oppo to #14
Thickness (mm)	**(d)**	44	44	40	43
Wt in Air (gm)	**(e)**	987	988	1027	930
Wt in Water (gm)	**(f)**	560	561	598	526
SSD Wt(gm)	**(g)**	990	993	1049	939
Volume		430	432	451	413
Field Bulk Density	**h=e/(g-f)**	2.30	2.29	2.28	2.25
% of Compaction Achieved	**I =(h/A)x100**	98.94	98.58	98.15	97.06

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QUALITY SYSTEM FORMAT

DETERMINATION OF BITUMEN CONTENT

Name of Client	Executive Engineer, Quality Control Division, Yelahanka Zone, BBMP Bangalore
Name of Contractor	Sri. Chidananda Murthy R.
Name of Consultants	Transheight Consultants Pvt. Ltd.
Project Name	Package No.4 (Consists of 3 Works)
Technical Reference	MORT&H Specifications for Roads and Bridge Works, 5th Revision
Date of Testing	27/05/2023
Testing on	Bituminous Concrete (BC - Grade II) VG-30

DETERMINATION OF BITUMEN CONTENT AND GRADATION

Source of material:

Tests No's	Durgaparameshwari Entrance	Durgaparameshwari opp to house no #897/1	Durgaparameshwari opp to house no #898/1	6th block BEL layout opp to park no 4
Wt. of Mix before extraction (g)	921.00	1005.00	930.00	902.00
Wt. of Mix after extraction (g)	872.00	951.00	880.00	854.00
Wt. of Filter paper before extraction(g)	7	5	4	7.5
Wt. of Filter paper after extraction(g)	8	6	5	8.5
Wt. of asphalt & mineral matter extracted (g)	50.00	55.00	51.00	49.00
% binder content in mix	**5.42%**	**5.47%**	**5.48%**	**5.43%**
Binder content requirement as per estimate	**5.40%**			

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QUALITY SYSTEM FORMAT

DETERMINATION OF BITUMEN CONTENT

Name of Client	Executive Engineer, Quality Control Division, Yelahanka Zone, BBMP Bangalore
Name of Contractor	Sri. Chidananda Murthy R.
Name of Consultants	Transheight Consultants Pvt. Ltd.
Project Name	Package No.4 (Consists of 3 Works)
Technical Reference	MORT&H Specifications for Roads and Bridge Works, 5th Revision
Date of Testing	27/05/2023
Testing on	Bituminous Concrete (BC - Grade II) VG-30

DETERMINATION OF BITUMEN CONTENT AND GRADATION

Source of material:

Tests No's	6th block BEL layout opp to #138	6th block BEL layout opp to #135	Defence layout opp to site #217	Defence layout opp to site #213
Wt. of Mix before extraction (g)	977.00	1116.00	980.00	918.00
Wt. of Mix after extraction (g)	924.00	1056.00	928.00	869.00
Wt. of Filter paper before extraction(g)	8	5	7	4
Wt. of Filter paper after extraction(g)	9	6	8	5
Wt. of asphalt & mineral matter extracted (g)	54.00	61.00	53.00	50.00
% binder content in mix	**5.52%**	**5.46%**	**5.40**	**5.44%**
Binder content requirement as per estimate	**5.40%**			

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Project Name	Package No.4 (Consists of 3 Works)
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Date of Testing	27/05/2023
Testing on	Bituminous Concrete (BC - Grade II) VG-30

DETERMINATION OF BITUMEN CONTENT AND GRADATION

Source of material:

Tests No's	Defence layout opp to #207	20th cross school entrance, opp to HMT layout	20th cross at road entrance HMT layout	5th cross NTI entrance #283
Wt. of Mix before extraction (g)	1024.00	950.00	1087.00	987.00
Wt. of Mix after extraction (g)	968.00	899.00	1029.00	934.00
Wt. of Filter paper before extraction(g)	7	6	7	8
Wt. of Filter paper after extraction(g)	8	7	8	9
Wt. of asphalt & mineral matter extracted (g)	57.00	52.00	59.00	54.00
% binder content in mix	5.56%	5.47%	5.42%	5.47%
Binder content requirement as per estimate	5.40%			

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Date of Testing	27/05/2023
Testing on	Bituminous Concrete (BC - Grade II) VG-30

DETERMINATION OF BITUMEN CONTENT AND GRADATION

Source of material:

Tests No's	5th cross NTI entrance opp to #84/A	5th cross NTI entrance opp to #134	8th main oppo to Sai baba opp to temple	8th main Sai Baba Temple road opp to # 751
Wt. of Mix before extraction (g)	1059.00	932.00	1057.00	985.00
Wt. of Mix after extraction (g)	1001.00	882.00	1000.00	932.00
Wt. of Filter paper before extraction(g)	6	5	8	8
Wt. of Filter paper after extraction(g)	7	6	9	9
Wt. of asphalt & mineral matter extracted (g)	59.00	51.00	58.00	54.00
% binder content in mix	5.57%	5.47%	5.48%	5.48%
Binder content requirement as per estimate	5.40%			

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